SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
BARREN RIVER LAKE, KENTUCKY

SITE WORK

1. The existing paved area shown to be graveled on Sketch ENT-8 shall be excavated approximately 12" at the existing roadway. The remainder of the excavation will be determined by the existing grades and the requirements to slope the roadway away from the building. The finished elevation of the new roadway shall be a minimum of 4" below the finished floor (FF). The new roadway shall flat along the entrance and exit side of the building. The area for the entrance station slab shall be filled and compacted as necessary to meet the slab clearance criteria stated above. All areas to be filled shall be stripped of vegetation prior to filling. Excavated material may be used for backfill and final dressing. All disturbed areas shall be seeded and mulched or paved as required. ALL SPOILS WILL BE DISPOSED OF ONSITE.

2. The area for the roadway shall be compacted prior to placing aggregate base courses. The base course will be 6" of KY DGA. The road will be sloped to drain 1/8" per foot away from the building and graded to meet the existing road. The base will be compacted by rolling each layer of 6" thick or fraction thereof.

3. Place and compact 6" thick DGA stone capillary vapor barrier and cover with a 6 mil polyethylene vapor barrier at building slab location.

4. The excavation for the building slab thickened edges will be 12" from the FF and 12" or 6" wide.

5. Install conduits for electric and telephone prior to placing concrete.

6. Form and place 14'-8" x 28' x 6" thick concrete slab for the entrance station with 6" above grade curbs at each end and a 4' wide x 6" thick concrete handicap ramp. The building slab will be a minimum of 4" above road at highest point of road next to building. The handicap ramp will be maximum of 1-in-12 grade from porch to road. Slab and walk will be reinforced with 6 x 6 #10 21#/CSF (W 1.4 x W 1.4) welded wire fabric and two #5 rebars around perimeter of slab. The edge of slab will be tooled and slab will have a broom finish on porch and a steel trowel finish on the inside of the building. The sidewalk will have a broom finish. All concrete will be 3,000 PSI air entrained concrete (6% +/- 1.5%). The slump will be maximum of 4" and minimum of 1". Provide a written certificate from concrete supplier that mix will meet these specifications.

SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
BARREN RIVER LAKE, KENTUCKY

SITE WORK (cont)

7. Relocate stop sign.

8. Install an electrical conduit from the entrance station meter base, at eye level 5.5 feet, to the utility pole and then 10' up the utility pole. An additional 10' of conduit shall be provided by the contractor for the power company to install. The horizontal conduit shall be a minimum of 2' deep. The horizontal conduit shall be PVC, ~~rigid and~~ The bends and vertical conduit shall be rigid steel.

9. The electrical inspector will require three inspections total. The contractor must pay for these three inspection plus pay the power company to provide and pull the wire in the conduit. The contractor must provide and install the pull string. The power company will provide the meter base and meter. The contractor will install the meter base.

10. Utility trenches must be backfilled to 90% of maximum density in conformance with ASTM D-1556 in areas outside roads and structures and 95% under roads and structures.
6" P.V.C., CAPPED, ACROSS RD. FOR FUTURE-
11. Install septic system ~~per approved State drawings.~~

12. Run 1" PVC waterline from existing Park attendants trailer site.

BUILDING WORK

13. The building will be as shown on sketches, consisting of 10'-8" x 20' building and a 6' x 10'-8" covered porch with 12" overhang beyond porch building, and sidewalk around building.

14. The building will be constructed of No. 2 or better graded lumber. 2" x 4" plates in contact with concrete will be treated lumber in accordance with AWPB-LP-22, LP-3 or LP-4: Trusses will be 12'-8" long over all with a 4 to 12 pitch. Manufacturer must provide a certification that the truss design is based on applicable building codes and state the loads used in the design. Roof will be sheathed on the outside with 5/8" CDX plywood exterior glue. The plywood will be fastened to trusses at 6" on center at edge and 12" on center in the field with 12 penny nails. The 2" x 4" framing will be on 16" centers, as will the trusses. The framing will be nailed together with 16 penny nails. The trusses will be anchored to the walls with 16 gauge hurricane straps. The wall will be anchored to slab with 1/2" bolts on 4' centers with nuts and washers.

SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
BARREN RIVER LAKE, KENTUCKY

BUILDING WORK (cont)

15. The roof will be covered with 30# asphalt felt underlayment and 240#/Sq shingles nailed to sheathing. Shingles will have a 20 year warranty. The exterior wall will be covered with reverse batten 5/8" thick douglas fir plywood siding. The soffit and porch ceiling on the exposed side will be covered with Exterior Grade "B" 3/8" plywood. The fascia will also be 1" x 6" cedar board rough sawn. The windows and door will be trimmed with a 1" x 4" minimum clear pine boards both inside and out. The exterior corners will also be trimmed with 1" x clear pine boards. The beams and post will be covered with siding material.

16. The entrance door will be 3' x 6'-8" x 1-3/4" thick steel with 36" x 24" glass lites. The door on the porch side will be provided with a aluminum screen door.

17. The windows will be anodized BRONZE aluminum extruded frames. The frames will have ultimate tensile strength of 22,000 PSI and be not less than 0.062" thickness at any location for main frame and sash member. The contractor will provide three 48" x 48" fixed windows and one 48" x 48" and two 72" x 48" sliding windows complete with screens.

18. Provide a 3' x 6'-8" wood bathroom door complete with frame. The door will be louvered style. The door frame will be wood. Size the jambs to fit the total wall construction thickness.

19. Provide two 4" x 4" columns, encased with siding material, to support roof trusses on back porch. Provide two 2' x 6' with 1/2" plywood built up beam full length of exterior walls, porch and overhang to support trusses. The interior of the building will be finished with 3/16" pre-finished paneling. Fasteners for exterior wood finishes will be galvanized siding nails. Fasteners for finished paneling interior will be color finish nails.

20. Provide soffit and trim that matches the siding. Provide 3/4" guarter-round trim at the ceiling. Provide one 18" wide x 48", one 24" wide x 40" base cabinets with doors and drawers and one 24" x 40" base 4-drawer unit and two 30" x 40" base cabinets no drawer, one corner base for safe and one 48" x 40" equipment locker. Provide one each base and wall standard kitchen cabinet 42" wide with counter top at rear entrance. The counter top will be laminated plastic on plywood with no back splash.

SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
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BUILDING WORK (cont)

21. The walls will be insulated with kraft paper faced R-12 fiberglass batt insulation. The ceiling will be insulated with kraft paper faced R1-9 fiberglass batt insulation. Provide 3" x 4" aluminum downspouts, one on each side of building. Downspouts will be 0.024" thick walls with enameled coating. Provide 4" aluminum gutters 0.032" wall thickness complete with hangers, end caps and downspout thimbles. Provide a 3" wide continuous mill finish aluminum soffit vent full length of soffit. Provide two 8" x 16" aluminum mill finish under eave vents. Provide metal drip edge at gutter. Provide 1/2" sealant at bottom of exterior walls.

22. Provide acrylic latex sealants and caulking under treated sill and around all penetrations including windows, doors and conduits.

23. Provide hardware for door as follows:

a. 1 each heavy duty mortise lock set, with removable core to match existing Best key cylinders, for entrance door, class room function.

b. 1-1/2 pairs of hinges, 4-1/2" x 4-1/2", wrought-steel with satin chrome finish for each door.

c. Provide interior surface mounted door closer conforming to ANSI A156.4 series C01000 or C02000 for each exterior door.

d. Provide 10" x 34" metal kick plates on both sides of the door on porch door only.

e. Provide floor stop meeting BHMA L32142 for both doors.

f. Provide lock set with handicap lever, class room function for bathroom door only.

g. Provide spring type weather stripping for both exterior doors.

h. Provide a 36" long aluminum threshold for each exterior door.

SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
BARREN RIVER LAKE, KENTUCKY

BUILDING WORK (cont)

24. Glazing: Provide 1/4" tinted laminated safety glass made from two sheets of 1/8" float glass with poly vinyl film between the sheets for all windows and doors.

25. Provide 12" x 12" x 1/2" wood fiber tiles on furring strips on the ceiling.

26. Provide 1/8" thick x 12" x 12" vinyl composition tile on the floor with 4" cove base.

27. Stain/paint exterior wood with primer and two finish coats including siding, doors, trim and soffit. Paint interior wood surfaces with one coat primer and two coats enamel. Paint to meet TT-E=508 Type 1,VOC 420 gallon, lead free. Stain: Thompsons House and Deck stain, Russet color,exterior, semi-transparent or equilvant.

28. Mechanical: Install 15,000 BTU SINGLE PACKAGE ROOM AIR CONDITIONER/HEATER Carrier Model #5IXHA 1530 or equivalent.

29. Telephone: Provide and install a 3/4" PVC schedule 40 conduit. Conduit will be installed from building to power pole in same trench as electric conduit. Maintain one foot spacing between conduits. Conduit to run 36" up pole and into building. Pull 22 AWG telephone cable, 2-pair conduit from building to pole. Leave tail for telephone company to make connections on both ends. Provide two 4-pin modular telephone receptacles and wire to building telephone entrance.

30. Electrical: Provide and install one single phase 120/240 volt panel board, minimum of 36 circuit breaker capacity complete with 10,000 amp interrupting capacity main breaker 200 amp. Provide and install 1-pole 20-amp circuit breakers with 10,000 amp interrupting capacity meeting NEMA AB-1. Provide and install one 2-pole, 15-60 amp circuit breaker (size to fit air conditioner) with 10,000 amp interrupting capacity meeting NEMA AB-1. Provide and install two 10' x 5/8" diameter ground rod with No. 6 AWG bare solid copper ground wire to the grounding lug in panel and to ground clamp on each ground rod. Two ground clamps required. The panel board will meet Federal Specification W_P-115, NEMA PB1 and PB1.1.

SCOPE OF WORK
ENTRANCE STATION
TAILWATER CAMPGROUND
BARREN RIVER LAKE, KENTUCKY

BUILDING WORK (cont)

31. Provide and install conductor from the meter base to the main breaker in conduit complete with bushings and fasteners.

32. Provide and install single pole 120 volt switches to control the interior and exterior lights.

33. Provide and install two weatherproof 120 volt, 20 amp ground fault interrupted receptacles on porch.

34. Provide and install duplex, 20 amp ground fault interrupted receptacles inside building.

35. Provide and install one 20 amp 2-pole power receptacle with ground to match air conditioning unit similar to NEMA L10-20 125/250 volt receptacle.

36. Provide and install 4" x 2-1/8" boxes for all wiring devices including the two telephone outlets.

37. Provide and install #12-2 w/ground or 12-3 w/ground Type NM copper non-metallic sheather cable to all fixtures and outlets.

38. Contractor must install and maintain SAFETY FENCE for the duration of work on site including hours of non-work for the safety of the public.

39. Contractor will supply detailed as-built drawings to the Government prior to the final inspection of the facility.